

Spur Line

Volume 49 Issue 3

October 2015

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Fall Meet - Arizona Division, PSR, NMRA Saturday, November 21, 2015 - Tucson, Arizona More info and schedule on page; map on back page



"Веsт IN Show" Frank Baker

Summer Rimrock meet

Merit Award

Winner

Congratul tions!

"BEST IN SHOW"

"PRESIDENTS
AWARD"

"FAVORITE MODEL"

Steven
Drees
PSR Convention
Merit Award

Winner



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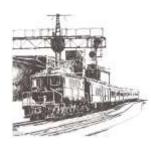








from the Editor - Frank Baker



Greetings from the editor's desk.

You may have noticed an unusual cover on this issue of the spur Line. This issue will cover both the division meet in Rimrock and the PSR Regional Convention last month in Scottsdale. More about both events in this issue.

Personnel Changes -. Dave Irick is the outgoing Division Director and Verryl Fosnight is the incoming Division Director. Alan Montgomery is the incoming Superintendent replacing Allen Vincent. On another note, Chuck and Deirdre

Hammond will be moving to Houston, Texas in October, maybe November. No replacement has yet been selected for either position. If you are interested in filling the position of contest chair, please contact Allan Montgomery, Division Superintendent.

Newsletter changes – In order to move information within the division more effectively, we are looking at creating an Arizona Division Forum. The forum will provide information on a much faster scale. Instead of waiting for me to type, read, proof read, etc... and for you to wait until sometime prior to the next division meet for the Spur Line, each person ie. Director, Superintendent, Contest chair, etc... will be posting within a week of the event. The forum will also allow you, the membership to post threads on your layout, a structure or scenery you are making, You will be able to ask questions on everything model railroading from your fellow members.

Initially the forum will be open to only NMRA members, but shortly after the forum has completed its shakedown, we will open it to all model railroaders in Arizona. NMRA members will be noted by the NMRA logo next to their name or railroad name. Our goal is to have non members participate in the forum, share ideas and potentially create a bigger NMRA membership in Arizona by demonstrating the skills learned thru the NMRA.

Arizona has many, many folks not in the NMRA. If we can "show and tell", using the forum as a tool, we might just grow the division membership. This will take all of us to make this happen. More about the forum at the November meet.

I know the forum might sound a bit foreign, but unless someone steps up and wants do the electronic version of the Spur Line Newsletter, this is the way we are headed. I will be taking on other duties within the NMRA as Acting Marketing Director

More on the forum at the November Meet.

Frank



SPUR LINE NEWSLETTER

The "SPUR LINE" is the official publication of the Arizona Division, Pacific Southwest Region, National Model Railroad Association (NMRA), and is published three times a year in Scottsdale, Arizona. The "SPUR LINE" is available to all members of the NMRA who live in Arizona.

RESPONSIBILITY: Except for official reports, all opinions are those of the authors, and do not necessarily represent those of the Arizona Division or its parent organizations.

SUBMISSIONS: Contributions of articles on any railroad or model railroading topic of interest to the membership are welcome. There is no compensation, but published articles can be credited to the NMRA Author Achievement Certificate. If you are interested in submitting articles, event information, or other information of interest to the members of the Division, please follow these guidelines:

- 1. Preferred method is by email to the Spurline editor with the submission attached as a word text document.
- 2. Keep in mind that submissions may be edited for length or formatting, or not used, at the discretion of the editor.
- 3. Submission deadlines for publication are: December 1st.,
 April 1st. and July 1st.



So do the thousands of plans, photos, and slides from our Kalmbach Memorial Library that we're working to digitize so that members can access them from their own computer. The good news is that the scanning is well underway. The better news is that our image library is even larger than we thought!

Which is why we still need your help. The more funds we receive, the more images we can make available.

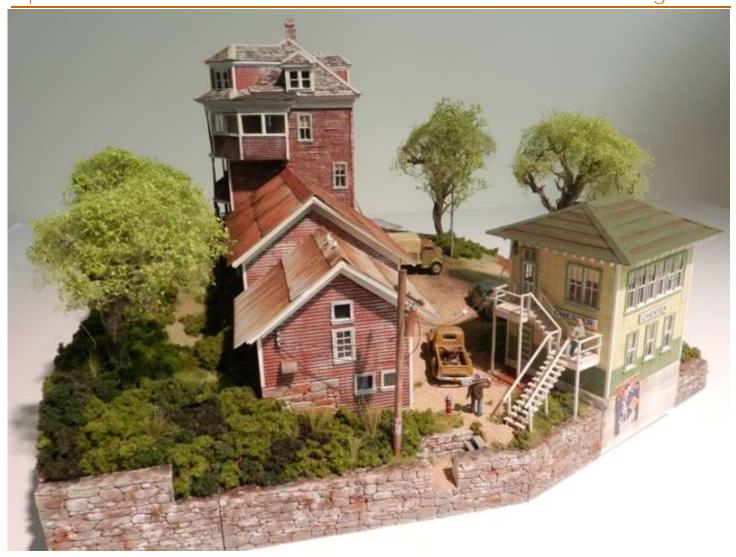
If you haven't contributed to the Diamond Club, do it now:

Silver Level – Contribute \$75 and receive a silver 75th Anniversary commemorative pin and have your name listed in NMRA Magazine. Gold Level – Contribute \$750 and receive a gold 75th Anniversary pin, a golf shirt with the Anniversary logo, and have your name listed in NMRA Magazine.

Diamond Level – Contribute \$7,500 and receive a diamond-and-gold Anniversary pin, a golf shirt and sweater with the Anniversary logo and your embroidered name, a print of the NMRA's 75th Anniversary commemorative painting, and have your name and photo printed in NMRA Magazine.

Make a contribution that will make a difference for decades. Visit www.nmra.org/diamondclub or call HQ at 423-892-2846 to contribute.





Arizona Division Roster

Director - Verryl Fosnight	(562) 458-9589	Director@AzDiv-nmra.org
Superintendent - Alan Montgomery	(928) 202-9685	Superintendent@AzDiv-nmra.org
Chief Clerk & Paymaster - Jesse Poole	(602) 501-4939	Paymaster@AzDiv-nmra.org
Membership Chairman - Gordon Geige	r (520) 529-6223	Memberchair@AzDiv-nmra.org
Contest Chairman - Chuck Hammond	(602) 471-0616	ContestChair@AzDiv-nmra.org
Achievement Program - Don Stewart	(480) 759-5019	APChair@AzDiv-nmra.org
Nominations Chairman - Lenny Smith	(520) 836-7683	NomChair@AzDiv-nmra.org
Acting Railette Chair - Jill Stewart	(480 421-8588	RailetteChair@AzDiv-nmra.org
Spur Line Editor - Frank Baker	(602) 672-6336	SpurLine@AzDiv-nmra.org
Webmaster - Lee Stoermer	(928) 580-3209	Webmaster@AzDiv-nmra.org

Fall Meet - Arizona Division, PSR, NMRA Saturday, November 21, 2015- Tucson, Arizona

Depot

St. Odilia Church, Tucson, Arizona

(map on last page)

Meet Contact: Alan Montgomery (928) 202-9685

Bring your membership card

\$10.00 - Coffee Provided; <u>FREE</u> - If you join the NMRA at Registration.

Registration \$3.00 - If NMRA member under 21 years of age. (Bring your membership card.) FREE - Non-member joining the NMRA and PSR at registration

FREE - Non-member guest accompanied with member

9:00 am - Registration opens. Enter contests until noon. 9:30 am - Meet Begins with Welcome and Introductions

10:05 am - CLINIC: Miniatur Wunderland / Gordon Geiger

11:00 am - Business Meeting and door prize drawings

11:45 am - Break for lunch at a restaurant of your choice

1:00 pm - CLINIC: SPUR LINE Forum / Frank Baker

2:00 pm - CLINIC: Tips / Techniques for installing Tortoise machines—Tom Fava

3:00 pm - Announce contest winners, door prize drawings.

3:30 / 4:00 pm - Meet Ends - Layout tours

ARIZONA DIVISION WEBSITE: www.AzDiv-nmra.org

Schedul e

A complete line up of NMRA contests is planned. We are including Levity, Favorite Train and the ever popular photo contest. The Favorite Train subject will be " Maintenance of Way" with a maximum of ten cars / locomotives, The Levity category will be " Work " . Bring your favorite model for the popular vote Favorite model contest and share it with other attendees. You must be a member of the NMRA to enter contests. Bring your unfinished models, projects and show them in Lenny's Challenge!

Give our contests a try. You may win an award!

Tables will be available at 8:30 AM after the sellers' registration is paid. AZ Division SWap Tables are \$10.00 for members with a guarantee of a table and choice of loca-Mee†: tion; Non – guarantee **free** tables are on a first come, first served basis for available space. Swap Tables for non-members is \$10.00 with a quality donation of a door prize.

Rail ettes: A fun & exciting project activity is planned for the ladies. We promise that you are going to laugh and have a good time making it. Come join in on the fun!

** WANTFD **

Good quality model kits, tools, RR equipment, etc. for door prizes at the November 8th meeting.

Arizona Division-Member of the Year - Lee Stoermer

As Arizona Division Director, it is my Privilege to announce the Arizona Division "Member of the year". The award is given to the person that the staff feels stands above the crowd and has worked hard for the betterment of the division. This year's winner is no surprise to any of us: It is our own Lee Stoermer

Lee, a former Marine and a captain in the Yuma fire Department, has worked tirelessly to improve the division Website. Because he lives in Yuma, Lee works extremely hard to gather, maintain and insure that the website is up to date and that is no easy matter. He volunteered to be the webmaster four years ago when Rick Watson left office. Learning how to and insuring that it was right is a challenge that Lee took on has kept everyone informed thru the website.

Lee works well with others in the division to promote the hobby. He is actively involved with the Yuma Model Railroad Club. He and Frank Baker / Spur Line editor, communicate to bring you the best website in the region.

Lee Stoermer is our Arizona Division Member of the Year 2015. Thank you for all that you do for us. You are enriching the enjoyment, knowledge and participation of all of us in the Arizona division.

Sincerely,

David Irick, Director, Arizona Division



From the Contest Room / Rim Rock / Chuck Hammond



The June 2015 Summer Meet in Rimrock Arizona marks the end of my second year as the Arizona Division Contest Chairman. Everyone recog nizes that the Summer Meet has the lowest participation, however this year the Contest Room was a busy place. Was it the opportunity to get feedback on models destined for the 2015 PSR Convention coming up in September or the fact that this was the last opportunity to get your mod els in for the 2013 - 2015 Larry Manny Award? Regardless of the reason, the quality of this year's contest entries should inspire everyone to make Rimrock 2016 a place to be on your calendar next summer.

So what happened in the Contest Room? Well 2015 saw an increase of 300% in the number of entries compared to 2013 and a 600% increase compared to last year. That's right we had 6 models entered into the

judged categories compared with 1 in 2014 and 2 in 2013! In addition, we had 7 Color Prototype photographs, 1 Favorite Train, and 2 Levity entries if we count Bruce Petrarca's sandwich which technically does qualify under the heading of "Perishable."

Frank Baker led the charge bringing four items in for judging. Frank's modeling has a distinct flavor that coincides with the local and era of his home layout. However, we did see some variety in the structures. Frank had one scratch built structure – Chester Tower, two modified and highly detailed kits, and his American Hoist & Derrick Non-revenue rolling stock. Competing with Frank was Jim Tuck who entered his 400-ton Concrete Coaling Tower and Kenneth Wolfe who brought a model of a small store with men perched on the porch playing Checkers.

The judging results gave Best of Show, 1st and 2nd place Structures to Frank Baker, Jim Tuck earned 3rd place in structures and Frank Baker picked up a 1st place in rolling stock for his hoist and derrick car. All five of these models earned a merit award by achieving a minimum of 87.5 points as awarded by our judges.

Next came the Popular Vote Contests, which includes Photographs, Favorite Train, Favorite Model and Levity. Photographs as I mentioned were all Color Prototype entries that ranged from modern diesels to older steam and a couple gas motorcars. Al Greger earned 1st place with his Bookends at Mud Tunnel while Jim Tuck earned 2nd and 3rd place for his Leaving Flagstaff and Working on the Railroad respectively.

The people's choice for favorite model went to 1) Frank Baker – Chester Tower, 2) Jim Tuck – 400-ton Coaling Tower, and 3) Frank Baker – Tucker and Cook. Rounding out the awards was the Favorite Train category of "Diesel Mania" won by Don Stewart with his entry of Milwaukee Road Diesel's and the Levity category of "perishables" won by Chuck Hammond with his entry of Engineer Ed being put to rest in a dirt filled gondola. We should mention that as a tongue in cheek move Bruce Petrarca entered his lunch sandwich as a joke for perishable load and actually got 3 votes during the contest prior to eating his entry.

I would like to thank Terry Dorsett, Bruce Petrarca, Richard Petrina, Dan Thompson, and Don Stewart for volunteering their time as judges during the meet. While most people were heading out for lunch and enjoying the afternoon sessions these men picked up the judging criteria forms, and

From the Contest Room / Sun City / Chuck Hammond /cont.

evaluated the models for their workmanship in Construction, Detail, Conformity, Finish/Lettering and percentage of Scratchbuilding. We should thank these men for their continuous assistance as judges not just at this meet but according to our records for their service over the last 4 or 5 years.

Noteworthy Items

The 2015 Scottsdale Express Convention is around the corner and in our backyard September 16th through 20th. As always, I encourage you to enter models to display your work, but I also implore you to volunteer to help the Division make this a very successful convention. In the Contest room we can use not just judges (it would be nice to have a minimum of 10) but also some people to help with security and entry paperwork. At the Division Meets, Alan Barnes and I setup the Contest Room, assist with entrant paperwork and then remain in the room to ensure the models and pictures are safe and secure. We can sure use your help during a PSR Convention, which is a 4-day event. Remember if you volunteer to help for as little as 4 hours you will earn a 2015 PSR Convention Volunteer T-Shirt showing your pride and dedication to the hobby. To qualify for the T-Shirt please send your name, contact information and which days you can help to Charles Hammond at cfhammond@cox.net by August 15, 2015.

I just want to remind everyone that the contest categories at the PSR Convention are a little different from what we use at the AZ Division meets. The Judge Model Categories at the PSR Convention are in alignment with the NMRA categories which include the following:

- Steam Locomotives All types of locomotives powered by steam. The model must include an electric motor or other means of propulsion and be capable of operation to be eligible for the category
- Diesel & Other Locomotives All other types of locomotives except those powered by steam and passenger revenue carrying types. The model must include an electric motor or other means of propulsion and be capable of operation to be eligible for the category. In the case of multiple joined locomotives, at least one of the units must be powered.
- Passenger Cars All types of passenger revenue carrying equipment, including coaches, observation, mail baggage cars as well as powered rail buses and RDC cars. Express reefers are included.

Freight Cars – All types of freight revenue carrying cars, not including express reefers.

Caboose – All types, including traditional, bobbers, drovers, and transfers type.

Non-Revenue – Right-of-way, track maintenance vehicles, rail and inspection cars, railroad cranes and others not considered directly involved in revenue service. This includes track controlling devices including turnouts, crossings, etc.

Traction – All equipment associated with urban, suburban and interurban electrically powered railroads.

Structures – All structures.

Display

From the Contest Room / Sun City / Chuck Hammond /cont.

Module – Definition; A small layout which includes supplemental scenery and track work which is designed to attach to and operate with other similar modules.

Photos – Limit 10 maximum per entrant and no more than 5 per category

Model-Black & White Print

Model-Color Print

Model-Slides

Prototype-Black & White Print

Prototype-Color Print

Prototype-Slides

People's Choice Awards Contest

Models

Locomotive – All types of locomotives including those powered by steam, diesel, electric and other means. The model must include an electric motor or other means of propulsion and be capable of operation to be eligible for the category.

Rolling Stock – All types including passenger, freight, non-revenue cars and powered rail buses and RDC cars. Cabooses are not included in this category.

Caboose – All types including traditional, bobbers, drovers and transfers types.

Structures – All types of structures. No detached detail or scenery or other scenery material shall be allowed.

Display – Modeled scenes which may include structures, detached detail and other scenery elements.

Train – An assembly which must include one or more locomotives(s) and at least one piece of rolling stock and/or at least one caboose.

Photos

Model Print – All photographic prints of models.

Prototype Print – All photographic prints of prototypes.

Arts & Crafts

General - General craft entry of any theme

Railroadiana - Craft entry with railroad motif

Needlepoint - Needlepoint entry - any theme

In Tucson this fall I believe we should vote on adopting these categories for our Division Meets since this new criteria places more importance on construction, conformity and finish/lettering than the old criteria which placed a heavier weight on scratchbuilding.

2013 – 2015 Larry Manny Award

The 2013 – 2015 Larry Manny cumulative contest period came to a close June 13, 2015 at Rimrock Arizona. Prior to announcing the winner, let's recap the rules:

From the Contest Room / Sun City / Chuck Hammond /cont.

Larry Manny Award Criteria

The Larry Manny award will be based on the highest cumulative scores over a two year period of time.

The time period for gathering scores begins at the Fall meet (Tucson) during an odd numbered year, and ends at the Summer meet of the next odd numbered ending year.

The award is presented at the Tucson event.

Only models entered into an Arizona Division Meet count towards the award. (Points earned at other Divisions or Regional Contests are not included in the cumulative total.)

Models must earn a minimum of 65 points in a judged category to be included in the running total.

All judged categories are eligible for inclusion in the cumulative score.

A model may only be counted once in the cumulative total. If a model earning 65 or greater points is entered into a subsequent contest to improve on the point value of the model, only the highest score will be used for calculating the total accumulated points.

Current leaderboard will be shared after every meet in the Spur Line and posted on the Division Website

Entrants must be members of the NMRA and the PSR.

Larry Manny Award Final Results

(Cumulative totals from Fall Meet 2013 thru Summer Meet 2015)

Place	Name of Entrant	# of Entries	Cumulative Total
10	Chuck Schwartz	1	110
9	Don Vest	2	145
8	Kenneth Wolfe	2	151
7	John M Lovely	2	167
5	Jim Tuck	2	177
5	Lee Stroemer	2	190
4	Alan Olson	2	215
3	Gordon Geiger	4	350
2	Paul Chandler	4	410

First Place with a cumulative Total of 893 points received from 9 entries. . .

Frank Baker

From the Contest Room / RIM ROCK / Chuck Hammond /cont.

Contest Results – Arizona Division Meet in Rimrock June 13, 2015

Best in Show

O.V. Hooker & Sons – Frank Baker – Merit Award winner*

Construction - 33, Detail - 20, Conformity - 20, Finish/Lettering - 23, Scratchbuilt - 6, Total – 102

Structures - Kit

1st Place – Chester Tower – Frank Baker* - 25, 20, 23, 21, 12 = 101 2nd Place – Tucker & Cook – Frank Baker* – 30, 18, 21, 23, 8 = 100 3rd Place – 400-ton Coaling Tower – Jim Tuck* – 31, 18, 22, 18, 0 = 89

Rolling Stock - Kit

1st Place – American Hoist & Derrick – Frank Baker* - 28, 18, 22, 15, 8 = 91

Favorite Model

1st Place – Chester Tower – Frank Baker
 2nd Place – 400 ton Coaling Tower – Jim Tuck
 3rd Place – Tucker & Cook – Frank Baker

Favorite Train

1st Place – Milwaukee Road Diesel Mania – Don Stewart

Levity

1st Place – Engineer Ed "Perish" able – Chuck Hammond 2nd Place – Sandwich – Bruce Petrarca

Photography

<u>Prototype – Color</u>

1st Place – Bookends at Mud Tunnel – Al Greger
2nd Place – Leaving Flagstaff – Jim Tuck
3rd Place – Working on the Railroad – Jim Tuck
Contest Room Judges

Terry Dorsett, Bruce Petrarca, Richard Petrina, Dan Thompson, Don Stewart

Notes: 1) Model scoring 87 $\frac{1}{2}$ points receive a Merit Award. 2) In order for a model to receive 1st Place award it must receive a total of 76 points.

Arizona Division Model Contest Entry Log Sheet 1 of 1 Rimrock Date: 6/13/2015 Contest Location: Fin-Co ish Co & Scr nst nfo Lett atc ruc tio Dermi eri hbu To-Model No Name of Entrant NMRA No **Description of Entry** Category n tail ty ng ilt tal 33 20 20 23 1 Frank Baker 105140 O.V. Hooker & Sons S - K 6 102 S - K 30 18 21 23 8 100 2 Frank Baker 105140 Tucker & Cook Frank Baker 105140 **Chester Tower** S - O 25 20 23 21 12 101 3 28 18 22 15 4 Frank Baker 105140 American Hoist & Derrick NR - K 91 5 Jim Tuck 400 Ton Concrete Tower S - K 18 22 18 89 127782 31 0 14563000 Kenneth Wolfe The Checkers Match S - K 23 13 22 20 81 6 37/63

Congratulations To all entrants!

Keep on buil ding those models

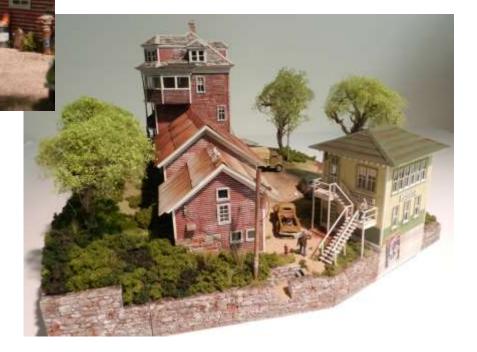
Make sure to bring your

models, photos, and Lenny's Challenge entries

to Tucson, november 21st, 2015!!



"Best in Show"
O.V. HOOKER & SONS
Frank Baker



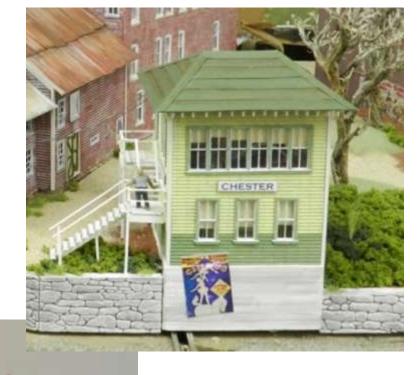
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Structures- Open

1stPlace – "Chester Tower" Frank Baker*

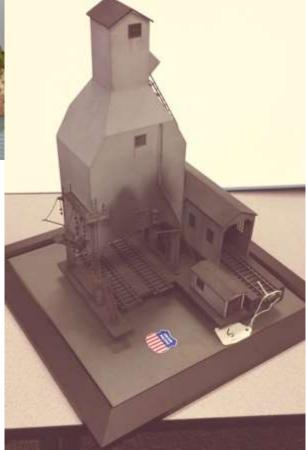
Structures- Kit

2nd Place –
"Tucker & Cook"
Frank Baker*





3rd Place – "400 ton Coaling Tower"
Jim Tuck*



Rolling Stock—Kit



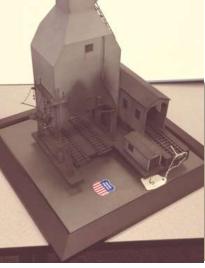
1st Place – "American Hoist & Derrick—Frank Baker



Favorite Model

1st Place – "Chester Tower" / Frank Baker2nd place—400 ton Coaling Tower / Jim Tuck3rd place—Tucker & Cook / Frank Baker







Favorite Train

1st Place – "Milwaukee Road Diesel Mania" - Don Stewart



Levity

1st Place -Engineer Ed"Perish"able — Chuck Hammond





2nd Place - "Sandwich "Bruce Petrarca

Photography-model color

1st Place Bookends at Mud Tunnel Al Greger



2nd Place Leaving Flagstaff Jim Tuck

3rd Place
Working on the Railroad
Jim Tuck



From the AP Chairman-Don Stewart

The June 13 Arizona Division Meeting brought in 5 Merit Awards from the six people that entered the contests. It was a good showing by the builders. The builders and their Merit Award winning models are:

Frank Baker built a structure (surprise!) that scored 102 points out of 125 to win Best of Show. It was his O. V. Hooker & Sons building.

Frank Baker also built a structure (Chester Tower) that scored 101 points in the Structure, Open Category to earn him another Merit Award.

Frank Baker's Tucker & Cook building scored 100 points to win a Merit Award.

Frank Baker built a Non-Revenue Maintenance of Way Derrick to earn his fourth Merit Award for the contest at the Summer Arizona Division Meeting with 91 points.

Jim Tuck earned a Merit Award with his 400 ton Concrete Coaling Tower. It scored 89 points.

I will bring these Merit Awards to the Tucson Meet in November.

When filling out the paperwork, remember these things: The judges were not there when you built the model so they do not know what you did. The scores for merit judging are based on what you did.

Construction – Describe how you built the model and its details. This is a description of WHAT YOU DID.

Detail – List what you added. Just a list of WHAT YOU ADDED

Conformity – Show the prototype of what you are modeling. Look on the internet for pictures if you don't have one at home. So here you SHOW WHAT THE REAL THING LOOKED LIKE.

Finish and Lettering – List how you painted and decaled your model. This part does not need an extensive description. Just DESCRIBE HOW YOU PAINTED THE MODEL.

Scratchbuilt – Just list the items you scratchbuilt. JUST A SIMPLE LIST HERE. How you built the scratchbuilt the parts is covered in the construction category.

If you fill out the paperwork ahead of time, use a computer or Typewriter so it is easy to read. If you fill it out at the Meet, ask for some guidance or suggestions. There are usually several knowledgeable people in the Contest Room (Contest Chair, AP Manager, MMR). We will be glad to help.

Your paperwork should be a page of descriptions and a photo of the prototype. You do not need elaborate binders.

For more information on the Achievement Program Check the NMRA website at: www.nmra.org/achievement

Chief Clerk & Paymaster Report-Jesse Poole



The June 13 Meet provided a net profit \$970.25 on a total income of \$1323.60 There were 56 attendees of which 51 were NMRA members plus an addition five guests who signed up for NMRA membership at the meet. The major sources of income were from registration and miscellaneous income from the sale of swap meet tables, donations, the 50/50 raffle and bake sale. The winner of the 50/50 raffle was Don Stewart.

A separate source of income was the generous donation of all proceeds from the catered Bar-B-Q hosted by Verryl Fosnight at his home. This was a great event which was preceded by a tour of his layout. Thank you Verryl!!

Expenses for the meet are contained in the financial statement shown below.

The current checkbook balance is \$5772.04 which includes the deposit of the June meet profits plus several small interest payments.

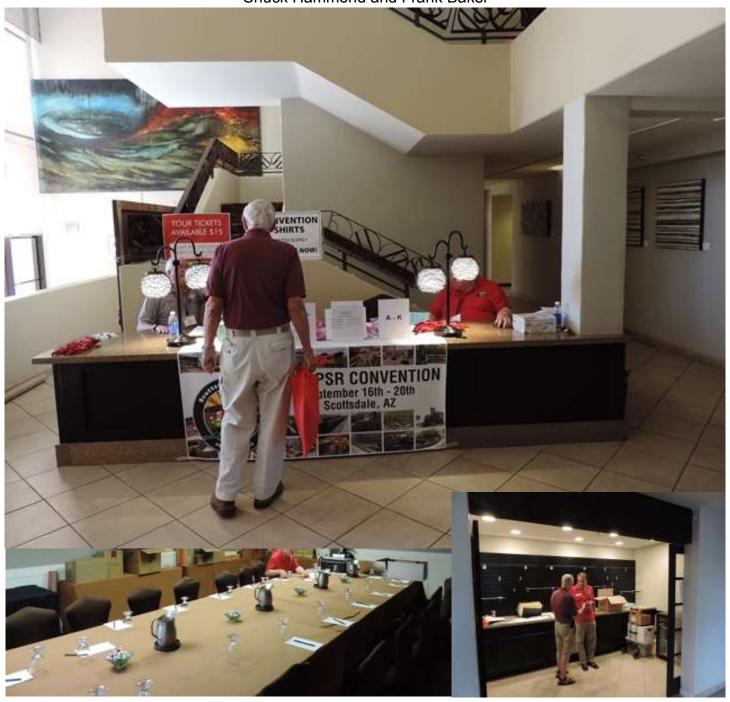
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2015 PSR CONVENTION Scottsdale, Az. September 16 –20th

A photo essay of the 2015 PSR Convention in Scottsdale. Photos by Terry Dorsett,

Chuck Hammond and Frank Baker





PROTOTYPE TOURS—Phoenix Light Rail















Maricopa Live Steamers











Verryl Fosnight's "Wyoming Division"

Friday promptly at 9 am, even before I had the coffee ready, the bus from the PSR Convention in Scottsdale pulled into the Wyoming Division parking lot in Cornville. There were 52 people on board led by Ed Stewart and Jesse Poole. The main attraction was the Verde Canyon Railroad train ride up the river canyon following the route of the copper trains of the early 20th century from the mines in Jerome perched on the hillside above Clarkdale and Cottonwood, AZ, but we also wowed them with the Wyoming Division. I gave my 10 minute speech about the our operations patterned after UP's across Wyoming up Sherman Hill from Cheyenne west bound, and up the Wasatch Mountains eastbound out of Ogden. They got a good look at the layout which is fully functional for operating sessions each month, and the coffee got done in time for them to have some. As eager as they were for the coffee, they must have had to miss their cups in Scottsdale because of the early start.

Saturday, the day of the operating session, I had the coffee about half perked when the first full car pulled in with 4 or more followed immediately by another two more in a second car. Soon we could tell we were going to have enough for a good operating session. I again gave my outline of the operations, and started the session early at about 8:30. Many of our regular operators had arrived by that time, and by 9, we had a full compliment of 39 people operating. We had a couple from the Salt Lake area, both of whom operated, a fellow from Tampa, one from New Hampshire, and others from other distant places.

Most of the visitors from Scottsdale who had never operated with us before were accomplished operators, but I was glad to see some who were relatively new to ops. They all got the idea immediately, and soon all the road crews were running alone. No one ran two man crews, unlike our regular crowd, some of whom still want to run in Conductor-Engineer pairs. We operated till after 4 PM, and did not stop for lunch. Instead Sharon had fixed 3 crock pots of BBQ pulled pork and pulled beef and set up the new crew lounge with hamburger buns, potato salad, and fruit salad. The operators made their own breaks when they could, so all got in the maximum time operating. The one person road crews and one person local crews took a lunch break between trains, and the 3 man Yard crews went in the crew lounge one at a time leaving Cheyenne, Laramie, Green River, and Ogden to run with short crews for awhile.

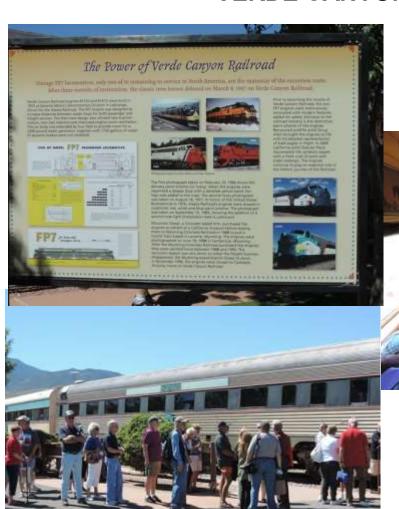
The important result was we all had fun, and we made new friends. The Salt Lake couple are planning on coming back for the November session, and at this time two others are hopeful of coming then also. We also had a new BFL of my wife's (she acquires 3 or 4 a week in her jaunts around Sedona) who brought her son and 3 little grandsons (ages about 4 to 8). I grabbed a throttle and the boys ran the Park City Local from Ogden to Park City and back, switching Echo in both directions. This local is a daily that takes a full train to Park City and stops in Echo to pickup Park City bound cars in Echo left by other trains from the east, and sometimes drops off cars in Echo for the freight house or team track or Ideal Cement. On the way back from Park City, after the steam engine is turned on the 90 foot turntable, it pulls the train made up in Park City back through Echo and on to Ogden, leaving some cars in Echo to be picked up there for forwarding east toward Cheyenne, or for Echo itself. Each one of the three little boys ran the train with the radio throttle part of the way while I set the turnouts and planned the moves. We keep a 3 step rolling ladder in that aisle, and it was prefect for the two smaller boys to stand on while they drove the train.

As I have reported before, the upper level backdrops are done, and they look sensational! We have the signals in hand and will start to install them soon, and the crew lounge is finally done.

Verryl Fosnight's "Wyoming Division" on the Union Pacific



VERDE CANYON RAILROAD





CONTEST ROOM by Chuck Hammond

The PSR Convention brought in 41 judged models with 26 earning a Merit Award. Twelve entrants were entering a model for the first time. This is significantly higher than normal.

In the Rolling Stock – Freight category, there were eight (8) models earning a merit award, though only three placed first, second, or third. The other 5 earned an Honorable Mention Award.

The top 2 models in the Rolling Stock – Caboose category earned a Merit Award

In the Rolling Stock – Non Revenue category, there were four (4) models earning a merit award, though only three placed first, second, or third. The other one earned an Honorable Mention Award.

In the Rolling Stock – Passenger category, there was one model entered. It earned a merit award.

There were no Steam Locomotive Models entered.

In the Locomotive – Diesel and Other category, there were three (3) entries with two earning Merit Awards. One model was entered in the National Convention contest, earning a first place. Per the PSR Contest results, this model is not considered in the final judging, except for a Merit Award.

In Structures – On-Line, there were five (5) models earning a merit award, though only three placed first, second, or third. The other two earned an Honorable Mention Award.

In Structures – Off-Line, there was one entry earning a Merit Award.

In the Display – On-Line category, both entrants earned a Merit Award.

In addition, the Best of Show winner earned a Merit Award.

As usual, the host Division had the most number of entries (32). There were three entries from a member in the Rocky Mountain Region (from Utah) and four entries from a member of the South East Region (from North Carolina). The LA Division had two models entered.



Contest Results2015 Scottsdale Express PSR Convention

Favorite Model - Popular Vote



PSR President's Award



Best of Show





FAVORITE MODEL, PSR PRESIDENT'S AWARD AND BEST IN SHOW



Photography Black & White Model

Place	Name	Description
3 rd Place	#26 Don Stewart	C&S #74
2 nd Place	#11 Charlie Nidever	Nashton
1 st Place	#37 Lee Stoermer	Cornfields & steam

Photo Contest

Black & White Model
Third Place - Don Stewart - C&S #74



Photo Contest

Black & White Model
Second Place - Charlie Nidever - Nashton



Photo Contest

Black & White Model First Place - Lee Stoermer - Cornfields and Steam



Photography Color Model

Place	Name	Description
3 rd Place	#10 Charlie Nidever	Crossing the Gorge
2 nd Place	#27 Don Stewart	C&S #74 in the Fall
1 st Place	#32 Joachim Hagamann	Oxygen Converter w/Torgedo

Photo Contest Color Model Third Place - Charlie Nidever - Crossing the Gorge



Photo Contest

Color Model
Second Place - Don Stewart - C&S #74 in the Fall

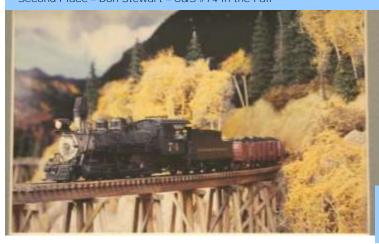
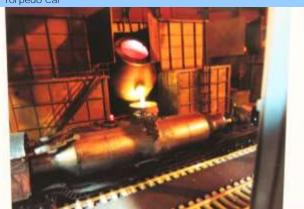


Photo Contest

Color Model

First Place – Joachim Hagamann – Oxygen Converter with Torpedo Car



Black & White Prototype

Place	Name	Description
3 rd Place	#8 Stanley Keiger	Engine #3
2 nd Place	#7 Stanley Keiger	Wheel Lathe
1 st Place	#12 Charlie Nidever	Moving at Durangol Yard

Photo Contest

Black & White Prototype

Third Place

- Stanley Keiger
- Engine #3



Photo Contest

Black & White Prototype

Second Place - Stanley Keiger - Wheel Lathe



Photo Contest

Black & White Prototype

First Place - Charlie Nidever - Moving at Durango Yard



Color Prototype

Place	Name	Description
3 rd Place	#14 Charlie Nidever	The Fireman
2 nd Place	#15 Charlie Nidever	Here She Comes
1 st Place	#13 Charlie Nidever	Majestic

Photo Contest

Color Prototype

Third Place - Charlie Nidever - The Fireman

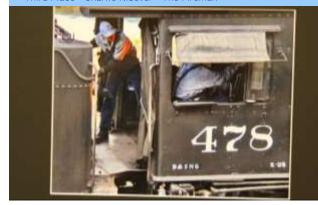


Photo Contest

Color Prototype

Second Place

- Charlie Nidever
- Here She Comes

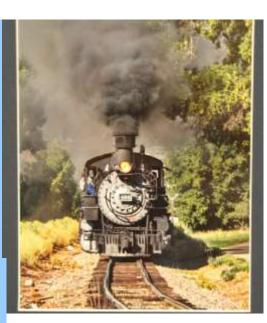


Photo Contest

Color Prototype

First Place - Charlie Nidever - Majestic



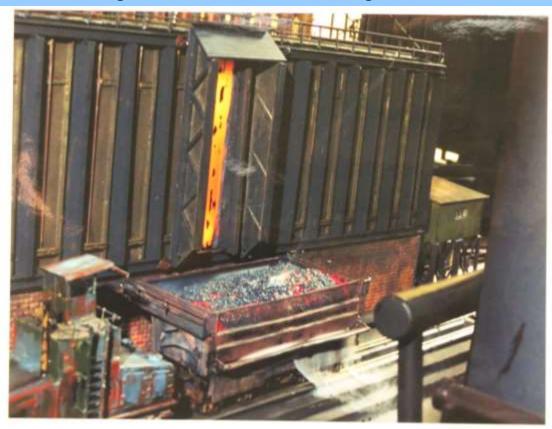
Photography Best of Show

Place	Name	Description
3 rd Place	#28 Joachim Hagamann	Coke Processing

Photo Contest

Best of Show

Joachim Hagamann - Coke Processing



People's Choice Arts & Crafts

General

Place	Name	Description
2 nd Place	#34 Tatiana Gutierrez	Turquoise Jewelry
1 st Place	#33 Tatiana Gutierrez	Hand Blown Glass Jewelry





Needlework

Place	Name	Description
2 nd Place	#35 Linda Irick	Railroad Wine Tote
1 st Place	#21 Annette Palmer	Steam Loco Latch Hook Rug

Arts and Crafts - Needlework

Second Place - Linda Irick - Railroad Wine Tote



Arts and Crafts - Needlework

First Place - Annette Palmer - Steam Loco Latch Hook Rug



People's Choice Arts & Crafts

Structure

Place	Name	Description
3 rd Place	#6 Mike Sander	California 1-derful
2 nd Place	#16 Kenneth Wolfe	Old West Hardware Store
1 st Place	#28 Charlie & Maureen Scardino	Hotel/apartment/business

People's Choice Structure Third Place - Mike Sanders - California 1-derful



People's Choice Structure

First Place - Charlie & Maureen Scardino - Hotel/Apartment/
Business

Rolling Stock/Locomotives

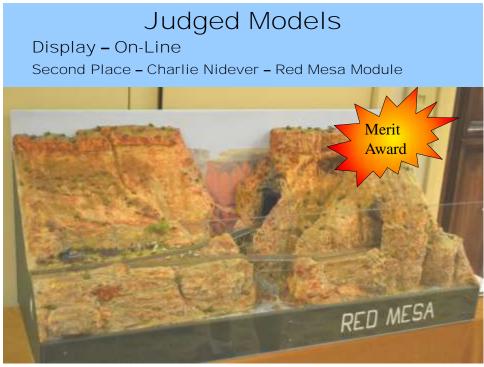
Place	Name	Description
2 nd Place	#43 Geoff Hamway	Sn3 Pelican bay Mogul
1 st Place	#33 Alan Olson	Marion Steam Shovel



People's Choice Rolling Stock/ Locomotives First Place - Alan Olson - Marion Steam Shovel

Display - On-Line

Place	Name	Description
2 nd Place	#15 Charlie Nidever	Red Mesa Module - Merit
1 st Place	#11 Duane Buck	Reefer Icing Facility - Merit





Judged Models

Rolling Stock - Freight

Honorable Mention: Merit Awards

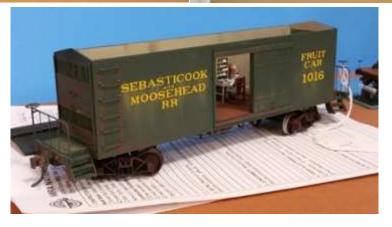
7	Howard Garner	C&A Boxcar #15812
8	Howard Garner	H&W Well Flat #10
30	Don Stewart	Sn3 D&RGW Reefer car #56
24	Don Stewart	Sn3 D&RGW Flat w/work dozer
2	Al Badham	S&M Fruit Car #1016











Place	Name	Description
3 rd Place	#38 Geoff Hamway	Sn3 RGS 24' Stock car #3048 - Merit
2 nd Place	#10 Howard Garner	Ensign Flat # 31 – Merit
1 st Place	#9 Howard Garner	C&A Boxcar 13130- Merit







Rolling Stock - Caboose

Place	Name	Description
3 rd Place	#31 Don Stewart	Sn3 D&RGW Caboose #0503
2 nd Place	#3 AI Badham	SP Caboose #215 – Merit
1 st Place	#36 Geoff Hamway	Sn3 D&RGW 4 Wheel Caboose - Merit

Judged Models

Rolling Stock - Caboose
Third Place Pop Stowart - Sp2 De BCW Caboose #08





Judged Models Rolling Stock - Caboose First Place - Geoff Hamway - Sn3 D&RGW 4 Wheel Caboose Merit Award

Rolling Stock - Non Revenue

Honorable Mention: Merit Award

1	Al Badham	RG&P Tool Car

Place	Name	Description
3 rd Place	#25 Don Stewart	Sn3 D&RGW Spreader OV - Merit
2 nd Place	#42 Alan Robert Barnes	D&RGW Dynamometer #10 - Merit
1 st Place	#29 Don Stewart	Sn3 D&RGW Rubbish Car # 06299 - Merit









Rolling Stock - Passenger

Place	Name	Description
1 st Place	#37 Geoff Hamway	Sn3 Rio Grand Southern Combine - Merit



Locomotive - Diesel & Other

Place	Name	Description
2 nd Place	#26 James Keena	Sante Fe Alco S-4
1 st Place	#12 Duane Buck	GN Alco FA-2 - Merit





Structure - On-Line

17	Kenneth Wolfe	The Tie and Plank Mill
18	Kenneth Wolfe	Fenster's Market and Annex





Place	Name	Description
3 rd Place	#46 Kevin Looff	ATSF Depot New Mexico - Merit
2 nd Place	#44 Lee Stoermer	B&O Small freight House - Merit
1 st Place	#35 Don Stewart	S scale Steam Donkey Yarder - Merit



Structure - On-Line
Third Place - Kevin Looff - ATSF Depot at Raton New Mexico



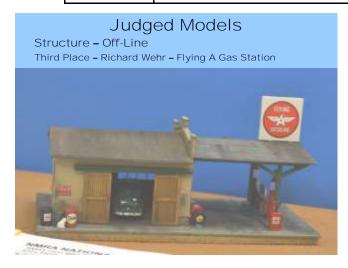
Judged Models Structure – On-Line Second Place – Lee Stoermer – B&O Small Freight House Merit Award

Judged Models
Structure - On-Line
First Place - Don Stewart - S Scale Steam Donkey Yarder

Merit
Award

Structure - Off-Line

Place	Name	Description
3 rd Place	#21 Richard Wehr	Flying A Gas Station
2 nd Place	#22 Richard Wehr	Art's Farm fresh Produce
1 st Place	#19 Frank Baker	East End Market - Merit







FROM THE CONTEST ROOM / Contest Room Assistant - Alan Barnes

Thanks to all the people who took the time to bring something to the contest room for the PSR regional meet hosted by the Arizona Division. A BIG thanks to the Scottsdale club and all the other volunteers who made this event a great success. The contest room had around 50 arts/crafts and model entries (probably a PSR region record). There were over thirty photographs. There were about thirteen first time regional convention entrants. There were also entries from other divisions and regions. Of the around thirty five judged entries, about half received Merit Awards, so the quality of the entries was high. A big thanks to Chuck Hammond and Don Stewart who spent many extra hours after normal judging was complete to make an excellent presentation for the banquet.

On the down side, some of the judging was harsh. The limited time per model meant that some of the judges relied, in my opinion, too much on the written documentation over looking at the model. My apologies that some scores were lower than usual, including on my entry. Don Fowler, the new Regional Contest Chairman, and Don Stewart, Arizona Achievement Program Chairman, reviewed many of the models where position or merit awards were in contention. I believe that despite some scores being lower than normal, the three main goals of contest judging were met; The Best of Show was correct, the positions of the top three models in each category were correct, and all models deserving a merit award received the award. Good documentation was mandatory at this meet for a decent score. Also, I think that time constraints and non-Arizona judges reduced the quality of the judge's comments. Any model receiving less than a first place award may be re-entered into a future Arizona division contest. Models may also be brought in for Lenny's challenge or Merit Award Judging, and the contest room staff will provide comments, if asked.

The Best of Show saw mill display was packed with detail and set a high standard for the rest of the entries. Frank Baker's entry was compressed from the original prototype, and this compression was mentioned in the documentation and noticed properly by the judges. Frank's extensive documentation always makes informative reading. Paul Chandler's scratchbuilt DCC powered, with sound, Burro Crane was fantastic and completes Paul's requirements for MMR – Congratulations. Kevin Loof's Raton station was excellent, but I think his herringbone brickwork was missed by the judges. Lee Stoermer's merit award winning station model was excellent. Lee has definitely improved his models over the recent contests. I think that the judges made a "mistake" by allowing Don Stewart's "garbage" car to outperform my non-revenue model entry by two points – Congratulations Don. Two of the models from a traveling entrant were damaged in transit, but the judges did not reduce the merit award winning scores for the truck damage. I was greatly pleased to see that some of the returning models had been upgraded based on the Judge's and my comments. Keep on improving those models.

Improvement tip – Remove casting lines from commercial details before painting. If possible, always place the most detailed side of a commercial casting toward the most common viewing side.

As always, a BIG thank you to the Judges.

Now ending on a sad note, Our friend and Contest Chairman Chuck Hammond is leaving us for the greener pastures of Houston. He and his lovely wife will be greatly missed. If you get a chance, say thank you and good fortune. Maybe he will visit us when we host the PSR convention again.

Contest Room Assistant / Alan Barnes

BANQUET

















We wish to thank the following vendors for supplying items for our Hobo Auction. These and other companies provided the auction with many, many wonderful items for our membership. Please support them the next time you require products made by these fine suppliers of the hobby—Model Railroading







ARIZONA CLUB NEWS

This is the beginning of a new section of our **Spur Line** newsletter. There are currently 18 clubs in Arizona and the following pages are provided to these clubs to post current information and activities about their clubs. If you are new to the Division, feel free to visit or join any of these fine clubs. A list of clubs precedes with club and contact information.

SCOTTSDALE MODEL RAILROAD HISTORICAL SOCIETY—Richard Petrina

Use of Computer Technology on the SMRHS Railroad by Richard Sauerbrun

This is the seventh article in our series describing the McCormick-Stillman Railroad Park and our layout in the Park's new Model Railroad Building. This article will describe the computers, computer networking and software in use on our model railroad.

Our 32x40 foot HO and HOn3 scale railroad in the Model Railroad building at Scottsdale's McCormick-Stillman Railroad Park benefits in many ways from the use of computer technology. One of our main missions at the park is to promote the public's understanding and appreciation of railroading and model railroading. To accomplish this, we have set two main goals for ourselves ... first, to educate and entertain the thousands of visitors that enter the building each year; and second, to enhance the experience of building and operating our railroad for the members of our club.

To best satisfy our two main goals, we have deployed a combination of Digital Command Control (DCC) systems and computer hardware and software to assist with running the railroad. Four networked Windows PCs combine to support the various operational functions. The primary software applications include the open source **Java Model Railroad Interface** (JMRI), which is used for DCC decoder programming, computerized control panels, operation session management, and mobile smart phone/tablet throttle integration. Railroad and Company's **Train Controller** from Freiwald Software is used for train automation which allows members of the public to start a series of train movements by several locomotives and rolling stock consists. We also utilize a variety of **utility and mobile software** for various railroad management tasks. Let's take a look at our technical infrastructure and several of the software applications in use on our railroad.

Technical Infrastructure

For all this technology to "play well" together and to support the operation of the railroad, well designed and implemented technical infrastructure was required. Combining the DCC products from several manufacturers along with computer and computer networking components was essential.

Both the HO standard gauge and the HOn3 narrow gauge railroads are controlled by a hybrid digital command control (DCC) system. The "brain" of the system is an NCE Power Pro command station, which is connected to numerous NCE boosters providing track power to the various layout power districts. The communication between the handheld NCE operator throttles and the command

station is handled by the NCE CAB bus. This is a network of plug-in and wireless devices connected by a series of six conductor, phone-like cables.

Turnouts are controlled by Digitrax DS64 stationary decoders combined with custom boards designed and built by club members. Block occupancy sensor detection is controlled by Digitrax BDL168 boards. The various Digitrax components communicate with each other over the "LocoNet" network which consists of another system of six conductor, phone-like cables.

The four layout computers are connected to each other via a standard Ethernet network with both wired and wireless connections. The computer network is connected to both the NCE system components and the Digitrax components. The NCE connection is via a serial cable from the computer to the NCE command station. The Digitrax connection to the LocoNet is via a LocoBuffer USB device from RR-Circuits. These physical connections allow all of the computer software and the various DCC components to communicate with each other.

The Importance of Documentation

As with any large scale technology project, documentation is critical to the success of the project. Since every DCC component and every computer has a unique address, it was important for us to document everything before we began configuring the various software apps.

Automation for the Public

Since the Model Railroad Building is open to the public 363 days a year with over ten hours per day in prime season, it was going to be very difficult to have club members always present to keep the trains running. So an automation system was implemented that allows the members of the public (especially the kids) to start the trains.

The application we chose for this important task was the Train Controller – Gold Edition from Rail-road and Company. This application has a German author, but is licensed by thousands of users, worldwide. Train Controller (TC for short) is a very robust software application with a significant learning curve, but which in turn delivers the fine levels of train control we required for a truly "hands off" operation.

Before we could automate any trains, it was necessary to draw a layout schematic within the TC app. Since our layout is very large and a diagram of the entire layout would be very "busy", we drew a "switchboard" (*Image 1*) for each town represented on the layout using software tools within the app.

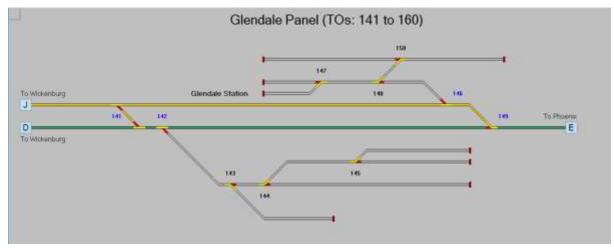
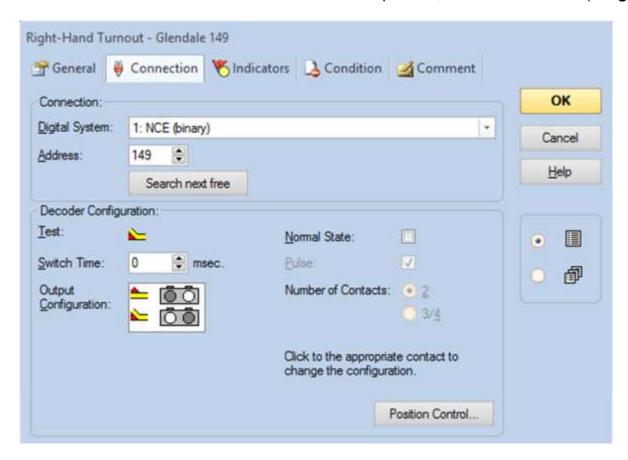


Image 1

Each of the software town panels is connected programmatically to the adjacent panels in both directions. Once the track diagram was in place, each component had to be defined and configured.

In order to control the train movements using TC, each turnout needed its DCC address, along with a number of characteristics that defined the turnout's normal position, and its movements (*Image 2*).



The ability of the software to both know the current position of every turnout, and to control their movement is critical to establishing and maintaining the routes taken by the automated trains.

Block occupancy control is another critical element in the train automation. The layout's physical occupancy blocks were established by creating an insulated cut in one rail, and then wiring that rail through the Digitrax BDL168. This wiring technique provides a physical, electrical sensor when each block was occupied by a locomotive, a lighted car, or any car with a resistor wheel set installed.

Knowing where each train is on the layout is critical to successful automation. TC can not only prevent collisions between trains, but can actually select routes based on occupancy conditions. Once the blocks are wired on the physical layout, they can be added to each switchboard (*Image 3*).

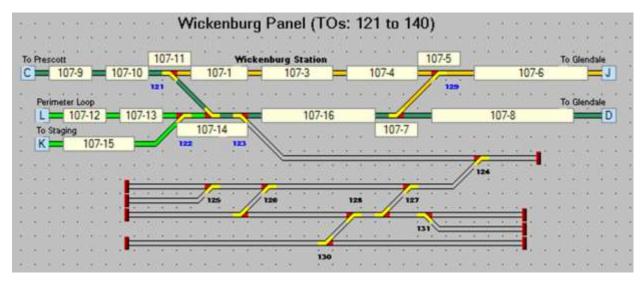
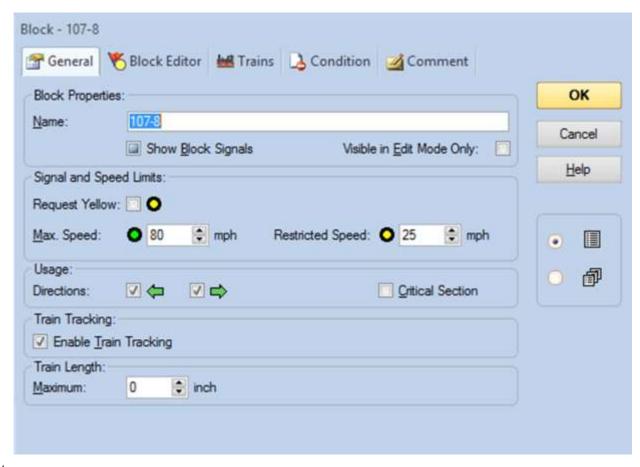


Image 3

As with every element of the layout, each occupancy block must be defined with its DCC address, speed limit and other characteristics (*Image 4*). Fine tuning here can add a significant element of realism to the train movements.



Each block is further defined by the addition of virtual sensors tied to the BDL168 addresses, as well as stop points for the various locomotives (*Image 5*). Multiple stop points may be defined to handle the various different trains that may stop in the block. A high speed passenger train will require a different stop point than a slow moving freight.

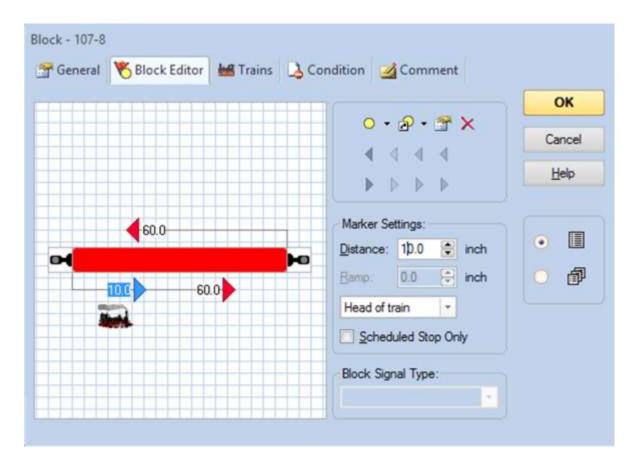


Image 5

Once the entire layout is represented in the various switchboards, and all the turnouts and blocks are defined and configured, both the locomotives and rolling stock must be set up as well (*Image 6*).

Train	Name	Type
	#1020 - Heavy Pacific	Engine
	#1236 - SF	Engine
	#1517 - Santa Fe Observation	Car
THE R. L.	#175219 - UP Cleaning Car	Engine
The state of the s	#18504 - WP Cleaning Car	Engine
-	#192 - RDC-1 - SF	Engine
		_

Individual locomotives are set up with their DCC address (*Image 7*), their speed (*Image 8*) and their functional capabilities like headlight, horn, bell, and other DCC controlled functions (*Image 9*).

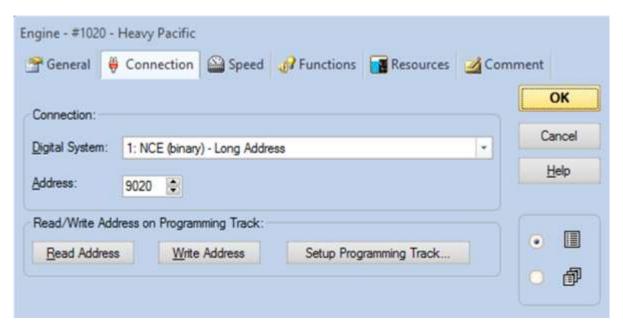


Image 7

General	Connection S	peed Functions Resource	ces 🕍 Con	nment
Speed				ОК
orward:	50 🖨 mph	Automatic Speed & Brake		Cancel
ackward:	40 🛊 mph			<u>H</u> elp
ower:	1500 🖨 kW			
cale:	1:87.1 H0 -	Other Scale		•
Nomentum:	tr.t.	201		o #
cceleration:	high 4	20%	low	
	high	6%	low	
eceleration:	4 111		+	

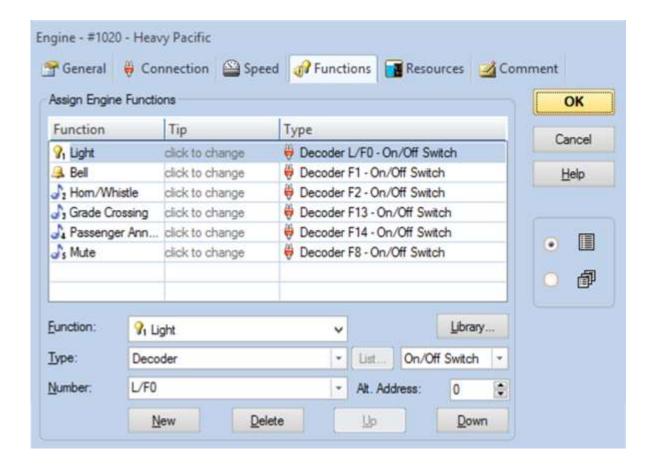


Image 9

Next, the various locomotives and rolling stock are combined to form "Train Sets". The combination of the locomotive performance characteristics and the load being pulled affect the speed at which the train operates and length of track required for the train to come to a stop.

Once all the layout, locomotive and rolling stock elements are defined, train schedules (*Image* 10) may be created that control the routing of the train.

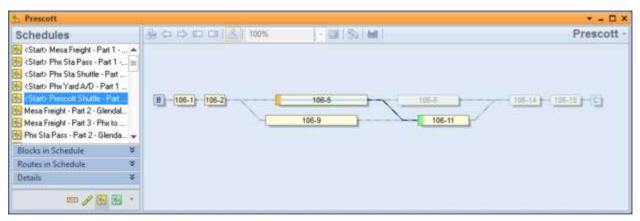


Image 10

Now that several trains each have several available schedules, the entire layout can be brought to life by a child visiting the building. Incorporating a custom built circuit board (*Image* 11) connected to a metal "hand" mounted on the layout's outside glass partition, a visitor may press the hand to start the entire sequence of schedules that run the trains. Nothing is more exciting to the little folks than seeing the trains take off ringing their bells and tooting their horns.

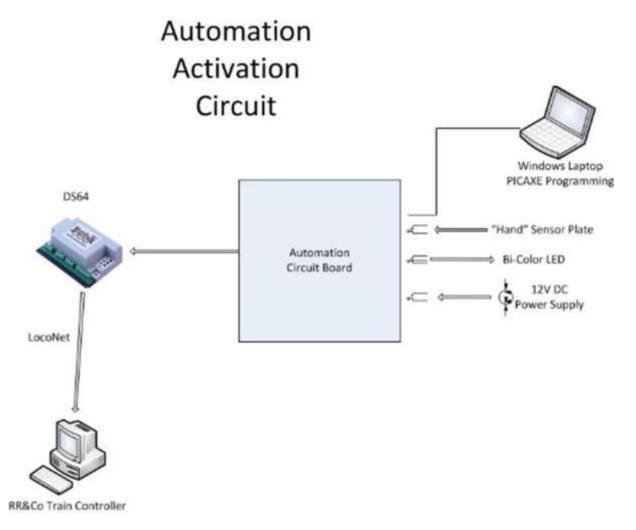


Image 11

Running Our Own Trains

Our members also run trains during operation sessions and during casual run sessions. During these sessions, we use several computer software applications to assist us. The Java Model Railroad Interface (JMRI) suite of apps is used for DCC decoder programming, computerized CTC type control panels, operations session management and smart phone/tablet throttle integration.

The use of these various apps enhance the member's experience and can make everything seem a little more real.

Decoder Pro

The decoder programming portion of JMRI (*Image 12*) allows club members to program and store (backup) the hundreds of CV settings in our locomotive's decoders. With the more advanced features of today's decoders, programming all the options using a traditional throttle can be very tedious. The Decoder Pro interface presents the sometimes hundreds of CV settings in an organized, far more easily understood format.

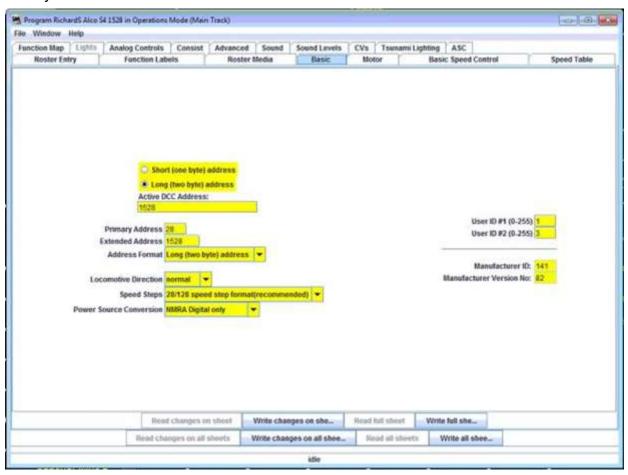


Image 12

Controlling the Layout - CTC Type Panels

One control panel that gets a lot of use during operations sessions is our Staging Panel (*Image 13*). This panel displayed on a touch screen monitor allows the operators to control the routes to and from staging by throwing turnouts, and by driving the various trains from the staging tracks to the point where they are delivered to the train crew.

By connecting the JMRI system directly to the NCE system, the fast clock, which is managed by the NCE command station and displayed on the NCE throttles is also shown on all of the JMRI control panels.

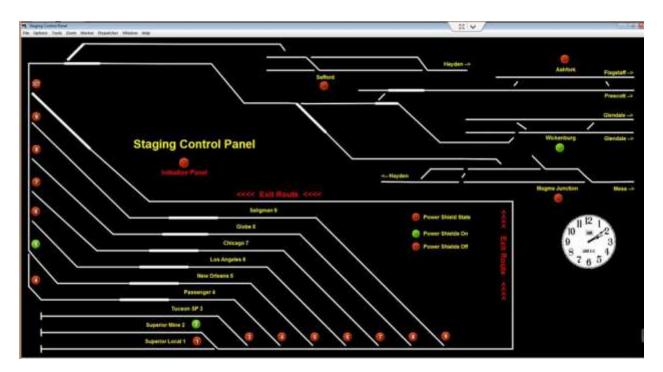
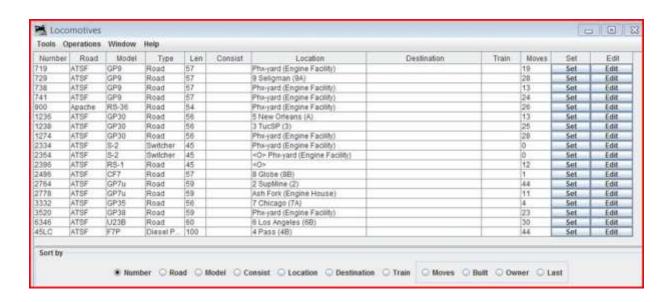


Image 13

Operations

The JMRI operations sub-system provides the capability to further define the railroad and more easily manage operations sessions. A substitute for some car card systems, the JMRI Ops system provides for computerized listings of all the railroad components important to the operator.

Each locomotive to be used in the operations session is defined with road, model, road number, length, and location (*Image 16*).

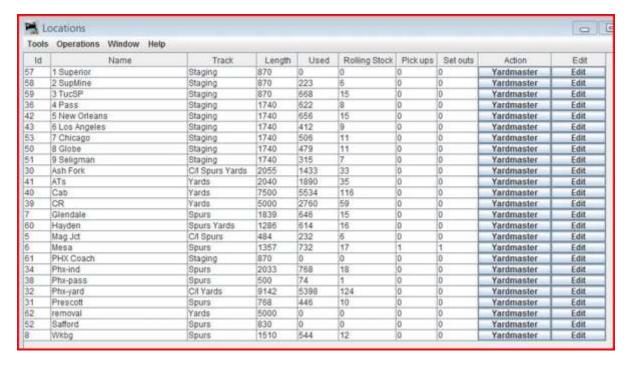


Each car that exists on the layout is defined with road name, car type, road number and current location (*Image 17*).



Image 17

Each track location is defined with name, type of track, length, restrictions for car type (reefers, tankers, boxcars), and length of available storage (*Image 18*).



Using the definition tables described above, trains can be built that allow JMRI to generate the manifest listings and print outs for the train crews that will perform each train's work on the layout (*Image* 19).

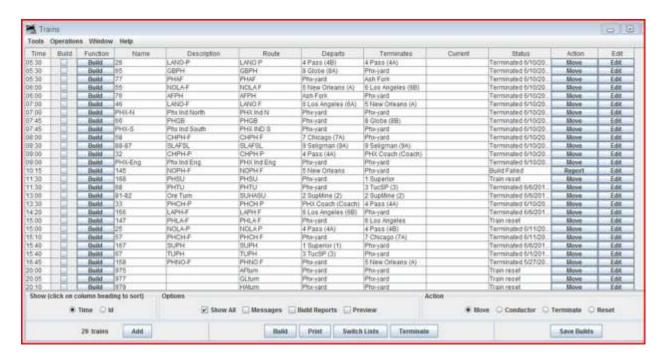


Image 19

Controlling the Trains

In addition to using the NCE throttles to run their trains, our members may also use a combination of JMRI software and portable, mobile devices like smart phones and tablets to control their train.

Software apps are available for both Apple's iOS and Google's Android devices that integrate with the JMRI system. Using a wireless network connection, a member may connect their device to JMRI system and display both soft throttles and control panels to operate their train.

Image 14 from **WiThrottle** shows both a throttle to control two separate trains, and a control panel displaying an image of one of the layout's towns and a virtual signal displaying route conditions to the engineer.

The WiThrottle for iOS is available at http://www.withrottle.com/WiThrottle/Home.html. or the Apple app Store.

Image 15 from Engine Driver, shows a soft throttle to control one locomotive.

The Engine Driver app for Android is available at http://enginedriver.rrclubs.org/. or Google Play .

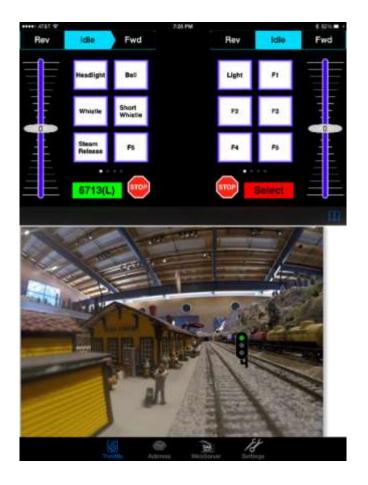




Image 14 Image 15

Summary

As with many other parts of our lives, the application of computer hardware and software technology has both complicated things and made things easier at the same time. Bringing another facet to the "world's greatest hobby" provides those members with the interest and skill the opportunity to enhance almost all aspects of their experience.

And as is the case with almost all software applications, we use only a small percentage of the apps functionality. Here, there is much room to grow and much more fun to be had.

We hope you have enjoyed this, the seventh article in our series describing our model railroad. In the next issue of *Spur Line*, we will cover the topic of Prototype operations.

For more information, visit: http://www.therailroadpark.com, http://www.scottsdalemrhs.org (HO scale), http://www.sun-n-sand.org (N scale), http://www.pandprr.com (O gauge) and http://www.scottsdalelivesteamers.com (7-1/2 inch gauge).

Emission's Scandal by Bill Winans



H.O.B.O.E.

The "H.O.B.O.E." train Club of Tucson is back to work. 2014 was a tough year but now we are back to work. Our Two main lines are operational, about 15% of our scenery is completed, and work on our East yard is moving along. We are doing some reassessing but for the most part, we have our concepts in place.

We are going to have an open house for our neighborhood on November 22nd, the day after the Tucson NMRA event. We do this to let the neighbors know that we are a model train club and not a "meth lab!" We will also be open for the layout tour on Saturday afternoon the 21st, after the NMRA program.

Having lost our most experienced and talented modelers gone has only slowed us down not stopped us. Hope to see some of you there!













Arizona Clubs

Cornville

Wyoming Division Model Railroad Club

Scales: HO

Contact: Verryl Fosnight (562) 458-9589 <u>verrylf@gmail.com</u>
On the Web: http://groups.yahoo.com/group/wyoming-division/

Flagstaff

Flagstaff Model Railroad Club

Scales: HO, HOn3, and N

Contact: Larry Gibbs (928) 779-2282 On the web: http://flagmrrc.org/

Gilbert

Gilbert Model Railroad Club

Scales: HO

Contact: Joe Padberg (480) 980-2880 On the web: www.gmrctrains.com

Glendale

West Valley Railroad Historical Society

Scales: HO

Contact: Dave Irick (623) 435-8534

Goodyear

Pebble Creek Model Railroad Club

Scales: HO and G

Contact: Bruce Petrarca (623) 935-4837

On the web: www.pcmrc.org

Phoenix

Grand Canyon State Model Railroaders

Scale: HO modular

Contact: Bob Gibbs (480) 968-1760
On the web: www.GCSMR.org

Arizona Clubs

Phoenix

Thunderbird Model Railroad Club

Scale: HO

Contact: Larry Platt

On the web: www.trainweb.org/tbird Website is: www.thunderbirdmodelrrclub.com

Ponderosa North

Scales: Round Robin

Contact: Matt Furze - mattfurze@cox.net
On the web: www.arizonarails.com/pncpage

Prescott

Central Arizona Model Railroad Club

Scales: Multiple

Contact: Steve Bumgardner (928) 775-3184

On the web: www.camrrc.com

Scottsdale

Scottsdale Model Railroad Historical Society

Scales: HO and HOn3

Contact: contact@scottsdalemrhs.org
On the web: www.scottsdalemrhs.org

Sun'N'Sand Model Railroad Club

Scale: N

Contact: Mark Vanacore (602) 410-1110

On the web: www.sun-n-sand.org

Sun City area

Sun City Model Railroad Club

Scale: HO

Contact: Bob Batt (623) 734-6377

Sun City West Model Railroad Club

Scales: HO and N

Contact: Bob Butler (623) 556-5179

On the web: http://www.scwclubs.com/ then select Model Railroad

Tucson

Arizona & Southwest Model Railroad Society / Tucson NTRAK

Scale: N

Contact: John Scott (520) 250-2800

On the web: http://home.comcast.net/~tucsonntrak

Rincon West Garden Railroad Club

Scale: G

Contact: John Lawrence - johnlaw1931@hotmail.com

Southern Arizona Society of Model Engineers (SASME)

Scales: HO and HOn3

Contact: Richard Dick (520) 790-5356

On the web: www.sasme.org

H.O. Brotherhood of engineers (H.O.B.E) (NEW)

Scales: HO

Contact: Tom Beecher (520) 579-3768

On the web:

Show Low

Silver Creek Railroaders

Scale:HO

Contact: John Rowlinson (602) 908-9962

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Yuma Model Railroaders

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On the web: www.yumamodelrailroaders.org

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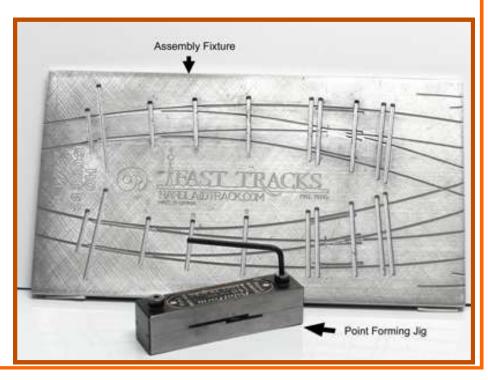
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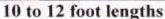
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hallockgross@gmail.com

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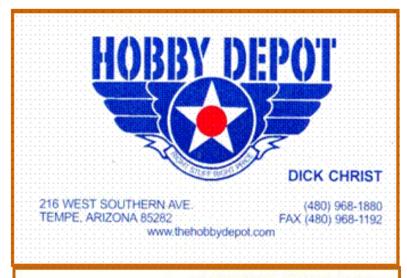
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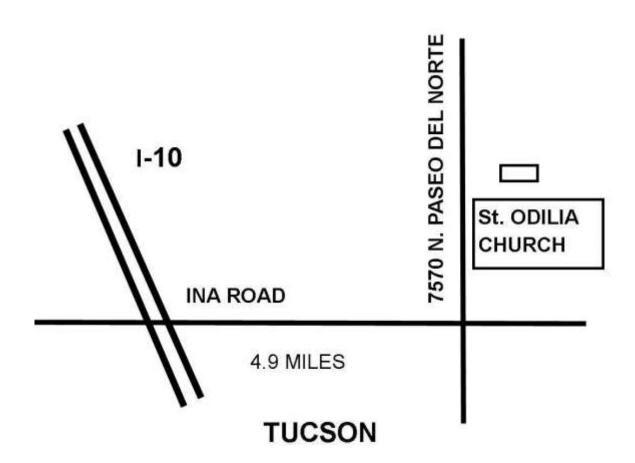
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